

## Material: ASTM B505 High-Leaded Tin Bronze UNS C93400

### Standard Specification for Copper Alloy Continuous Casting

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** ASTM B505 / 505M Copper Alloys for Continuous Casting

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

**Belongs to the Industry:** Rod, Bar, Tube and Shapes

Chemical Composition			Heat Treatment	
Tin	Sn %	7.000 - 9.000	As-Cast	
Lead	Pb %	7.000 - 9.000		
Zinc	Zn %	0.800 max.		
Ni + Cu	Ni% + Cu%	1.000 max.		
Iron	Fe %	0.200 max.		
Antimony	Sb %	0.500 max.		
Sulphur	S %	0.080 max.		
Phosphorus	P %	1.500 max.		
Aluminium	Al %	0.005 max.		
Silicon	Si %	0.005 max.		
Copper	Cu %	82.000 - 85.000		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	234 min.
			Yield Strength in Mpa	138 min.
			Elongation in %	8 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B30 C93400	ASTM	USA	Ingot and Casting
B66 C93400	ASTM	USA	Casting
B 505 C93400	ASTM	USA	Casting
SB-505 C93400	ASME	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-

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